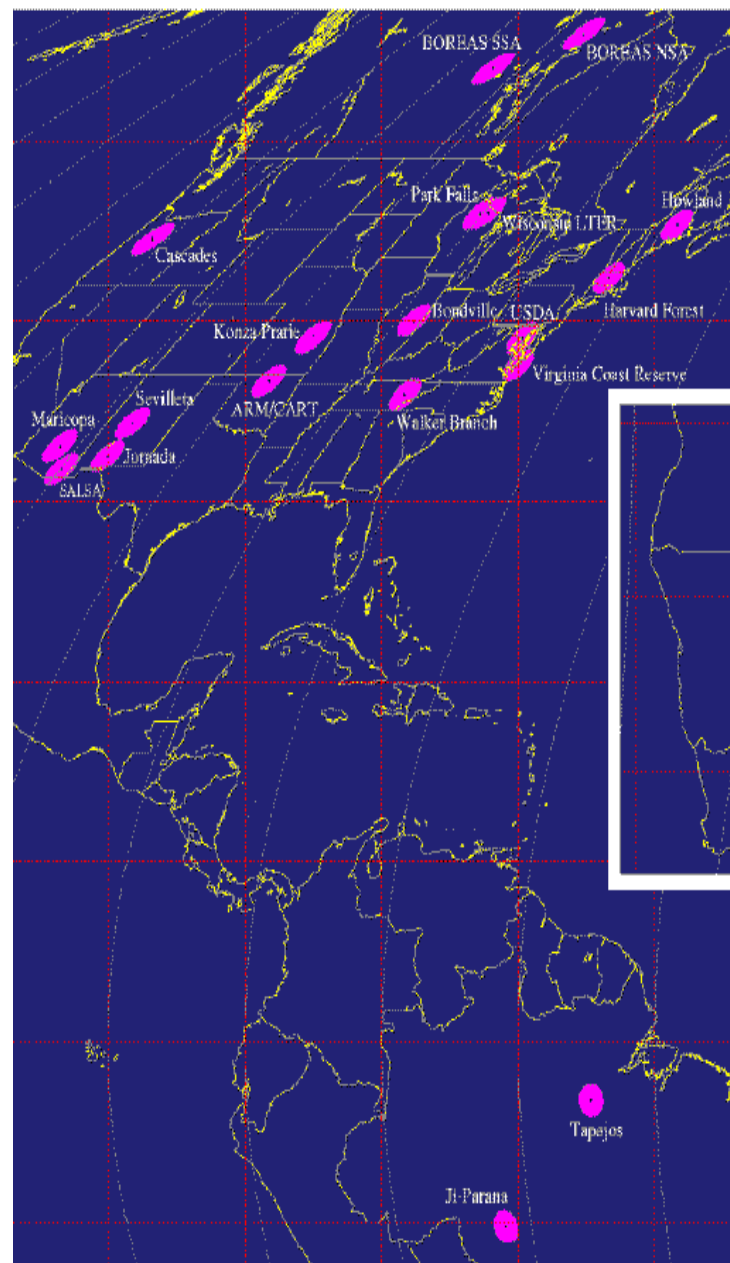# MODLAND
Spatial Subsetting Task

- Goal: to provide MODLAND L3 and L4 subset data over the 24 EOS land validation Core Sites, through EDC ftp directories. These data will be made available, though password protected, with other EOS, airborne & field data.

- This effort is a critical component of the Core Sites data suite and will provide validation with manageable MODIS data available through a central storage location.

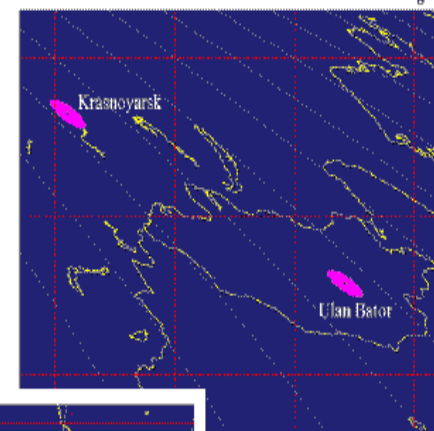- Joint effort between MODAPS, LDOPE, UAH, ESDIS and MODLAND Validation.
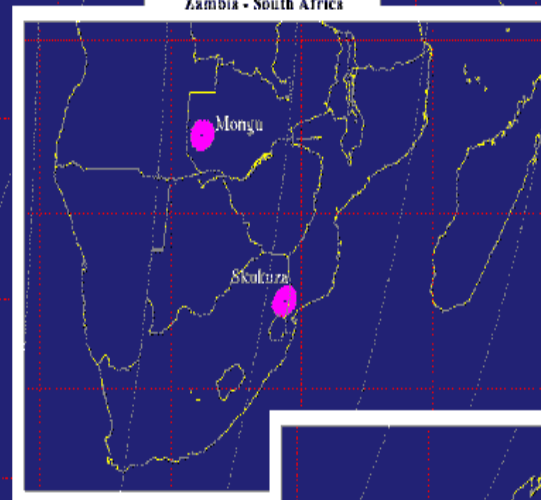
EOS core validation sites

USA - Canada - Brazil

Russia - Mongolia

BOREAS SSA
BOREAS NSA

Krasnoyarsk

Park Falls
Howland
Wisconsin LTER

Ulan Bator

Cascades

Bondville USDA
Harvard Forest
Konza Prarie

Virginia Coast Reserve

Zambia - South Africa

Sevilleta
ARM/CART
Walker Branch

Maricopa
Mongu

Jornada
SALSA

Skukuza

Australia

Tapajos

Uardry

Ji-Parana
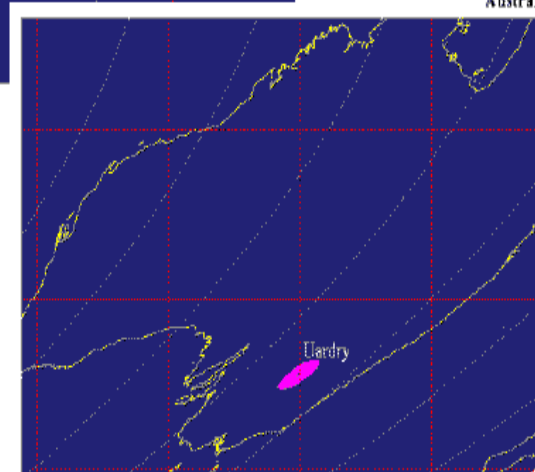
Integerized sinusoidal projection - MODLAND Level 3 grid - Site radius: 100 km

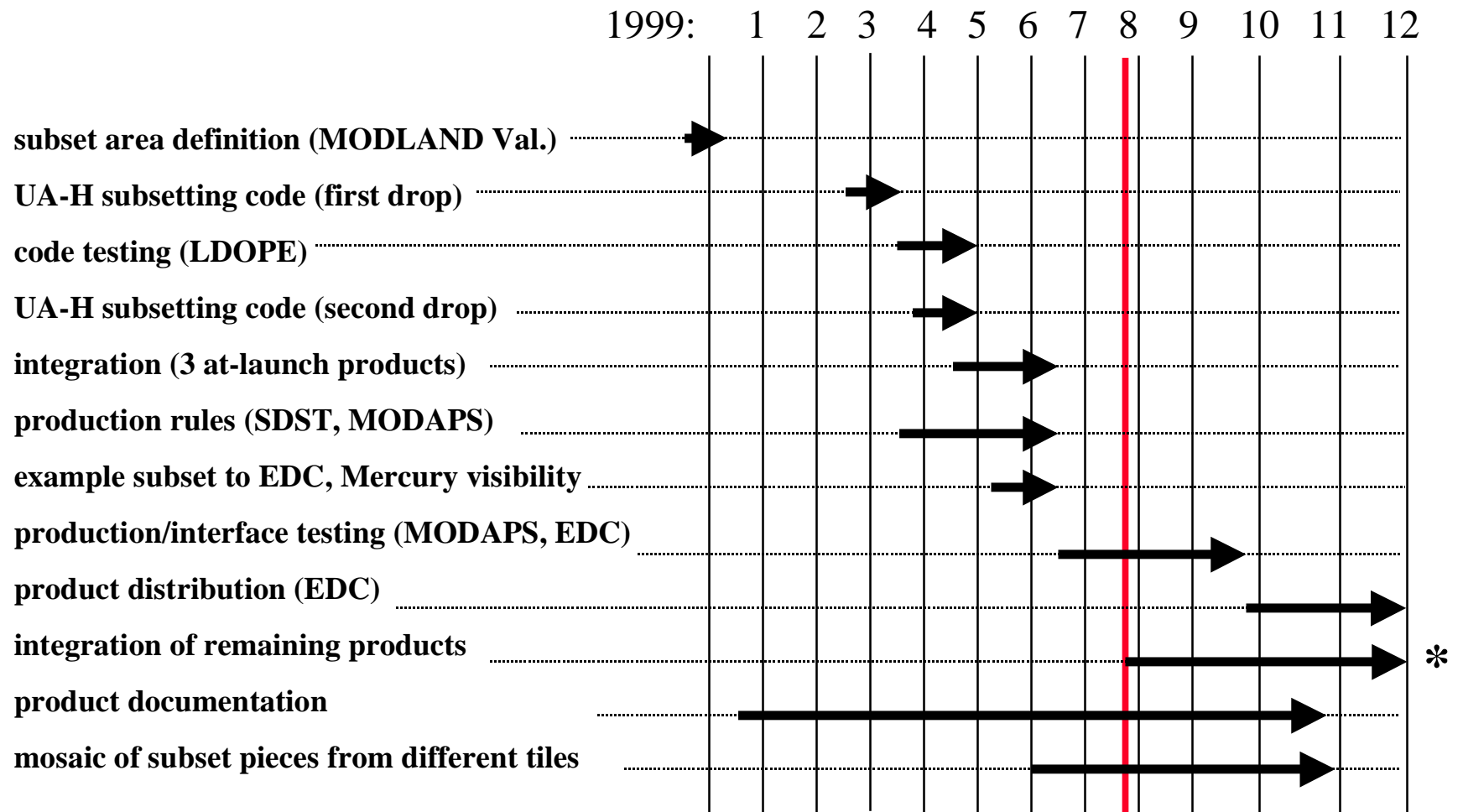Jacques Descloitres (LDOPE) - October 1998

MODIS

MODIS Subsetting Status

- Subsetting code V.2 delivered by UAH to MODAPS - 21 May 1999

- ICD between MODAPS and EDC is being finalized, with completion expected by the end of this week 1999 - 7 May 1999. Test data sets are ready to send to EDC - this will be tested next week - 10-14 May 1999

- LDOPE (Sadashiva Devadiga) has developed method to include the code into existing PGEs and started, with STTG, integrating the subsetting code for at-launch subsets of:
    - MOD AGG
    - Surface reflectance (8-day)
    - VI
    - attempt to do BRDF
- Subsetting will be added to all products by the time that product's check out is complete
- Mosaic methods/tools are now being considered (8 or 24 sites are split between 2 tiles). The primary issue being the global attribute metadata for the mosaic product

Spatial Subsetting Tasks & Provisional Schedule

	1999:	1	2	3	4	5	6	7	8	9	10	11	12

- subset area definition (MODLAND Val.)
- UA-H subsetting code (first drop)
- code testing (LDOPE)
- UA-H subsetting code (second drop)
- integration (3 at-launch products)
- production rules (SDST, MODAPS)
- example subset to EDC, Mercury visibility
- production/interface testing (MODAPS, EDC)
- product distribution (EDC)
- integration of remaining products *
- product documentation
- mosaic of subset pieces from different tiles

* by the end of product's check out

Subset Product Distribution

MODAPS → MODLAND Products for QA → **SCF**

MODAPS → **LDOPE**

MODAPS -- Subsets --→ **LDOPE**

MODLAND Products

MODAPS -- Subsets --→ Ingest → **EDC DAAC FTP sites**

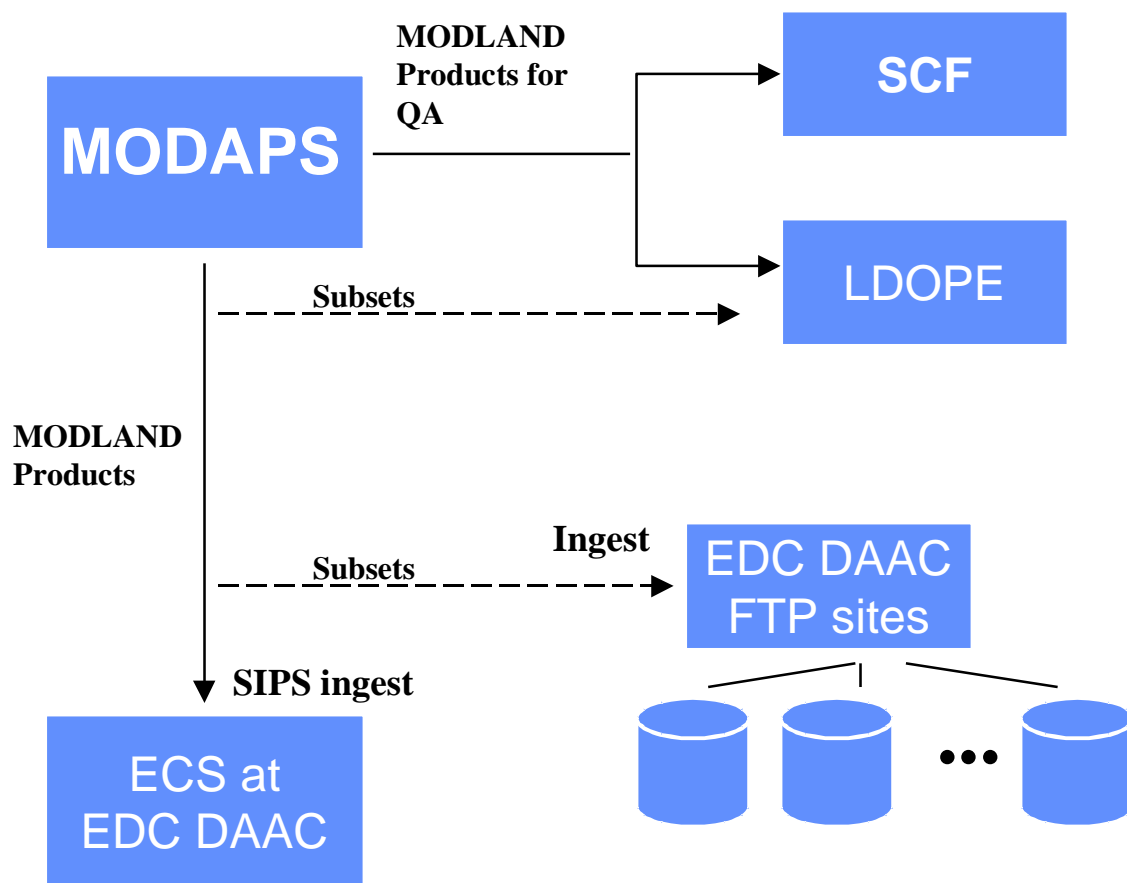**MODAPS** → SIPS ingest → **ECS at EDC DAAC**

diagram modified from original provided by John Dwyer, EDC

Outstanding Issues

Password protection directories at EDC:
- current word from EDC is all-or-nothing for password protected areas
- protection for products *up until* check out, after which there is *open access*
- password access to EOS validation scientist, PI's and participants in contact with a MODLAND PI